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1. A mobile data carrier, particularly a chip card, comprising a data-processing circuit and a supply unit for applying electric energy to power supply terminals for operating the data-processing circuit from an external energy source arranged outside the data carrier, the supply unit comprising a voltage-limiting control circuit which is arranged parallel to the power supply terminals of the data-processing circuit, and a current control device which, with respect to the supply of energy to the data-processing circuit, is arranged in series with the parallel arrangement of the voltage-limiting control circuit and the data-processing circuit.
2. A mobile data carrier as claimed in claim 1, characterized in that the current control device is adapted to supply an at least substantially load-independent supply current, and in that the voltage-limiting control circuit is adapted to take up an excess current which, with respect to the power supply current, is complementary to a power supply current taken up by the data-processing circuit at the power supply terminals.
3. A mobile data carrier as claimed in claim 1 ~~or 2~~, characterized in that the supply current supplied by the current control device is at least substantially controlled in dependence upon only one voltage supplied by the external energy source.
4. A mobile data carrier as claimed in claim 1, ~~2 or 3~~, characterized in that the data-processing circuit is implemented with asynchronously operating logic elements whose signal-processing rate is dependent on a power supply voltage applied to the power supply terminals of the data-processing circuit.

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